

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 2.6.3.a LOTO for Booster MMPS Checklist

C-A-OPM Procedures in which this Attachment is used.		
2.6.3		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ ***Signature on File*** \_\_\_\_\_  
 Collider-Accelerator Department Chairman Date

P. Ingrassia

## LOTO for Booster MMPS Checklist

(These steps are executed on and around the BMMPS main control console in Bldg. 930A)

Install  
LOTO  
Initial

### PART A - TURNING OFF THE POWER SUPPLY

1. Set Booster Main Magnet Power Supply to STANDBY (STANDBY push button is located at Rack 4965 below the Booster Alarm Monitor). \_\_\_\_\_
2. Lockout-Tagout Breaker 930A in Bldg. 930A. \_\_\_\_\_
3. Turn OFF Main Circuit Breaker CB-1B (CB-1B breaker trip (red) push button is Located in rack 4966, to the left of the Booster Alarm Monitor). \_\_\_\_\_
4. Turn OFF Main Circuit Breaker, CB-1B, Console Control Power Key to the OFF position. (Control Power Key located in same rack and panel as CB-1B trip push button of step 3). \_\_\_\_\_
5. Turn the control switches for the Booster Ring Disconnect Switches, 95-#1 and 95-#2, to the OPEN position. (These switches are located in Rack 4965). Both 95 switch green indicator lights should light. (The lights for the 95 switches are located below the Booster Alarm Monitor). \_\_\_\_\_

### PART B - POWER SUPPLY LOCKOUT TAGOUT

6. Go to switch 95-I and verify that the switch is open by viewing the switch position through the inspection window. Use the push button to illuminate the switch blades. \_\_\_\_\_
7. Turn the KIRK key of switch 95-I and remove the key. \_\_\_\_\_
8. Go to switch 95-II and verify that the switch is open by viewing the switch position through the inspection window. Use the push button to illuminate the switch blades. \_\_\_\_\_
9. Turn the KIRK key of switch 95-II and remove the key. \_\_\_\_\_
10. Insert 95-I KIRK key into the Ring Access Key Tree lock at BMMPS control console rack 4941. \_\_\_\_\_
11. Insert 95-II KIRK key into the Ring Access Key Tree lock.at BMMPS control console rack 4941. \_\_\_\_\_
12. Turn the key in the exchange and remove the MCR-1A KIRK key for placement into the Booster lockbox. \_\_\_\_\_

RAP (print): \_\_\_\_\_

Date:\_\_\_\_\_

Time:\_\_\_\_\_